Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 11 (canceled)

Claim 12 (currently amended): A method for exchanging signaling information between a PRA ISDN connection and a packet-oriented exchange via a peripheral adapter, comprising:

processing the signaling information transferred from the PRA ISDN connection by the packet-oriented exchange as a BRA ISDN connection;

adapting the transferred signaling information in the peripheral adapter in accordance with the ISDN connection type of the PRA ISDN connection; and

adapting the signaling information transferred from the packet-oriented exchange to the peripheral adapter in accordance with the ISDN connection type of the PRA ISDN connection, wherein the PRA ISDN connection is ~~the connections are~~ represented by BRA ISDN connections in the packet-oriented exchange.

Claim 13 (previously presented): The method according to claim 12, further comprising: representing different ISDN connections by a single connection type in the packet-oriented exchange; representing ISDN connections in the packet oriented exchange in accordance with the connection type of the ISDN connection from the ISDN connection type; exchanging the signaling information between the ISDN connection and the packet-oriented exchange; and adapting the exchanged information in the peripheral adapter in accordance with the different ISDN connection types.

Claim 14 (previously presented): The method according to claim 13, wherein adapting the signaling information ensues to a map of data channels differentiated for the respective ISDN connection type on top of each other.

Claim 15 (previously presented): The method according to claim 14, wherein the mapping ensues via a table in the peripheral adapter.

Claim 16 (previously presented): The method according to claim 13, wherein different ISDN connection types are represented in the packet-oriented exchange by at least a BRA connection and the type of the ISDN connection is given by a PRA connection.

Claim 17 (previously presented): The method according to claim 14, wherein a concentration of the data channels ensues as part of the mapping.

Claim 18 (previously presented): The method according to claim 14, wherein a call identifier and a bearer channel reference are adapted to the map of the data channels.

Claim 19 (previously presented): The method according to claim 12, wherein a DSS1 protocol is used between the ISDN connection and the peripheral adapter, and a connection is maintained on a layer of the DSS1 protocol.

Claim 20 (previously presented): The method according to claim 12, wherein the exchanged signaling for controlling the data channels to the map of data channels.

Claim 21 (previously presented): The method according to claim 20, wherein a protocol selected from the group consisting of Media Gateway Control Protocol and H.248 protocol is used between the peripheral adapter and the packet-based exchange for signaling the control of the data channels.

Claim 22 (previously presented): A peripheral adapter for a connection of an ISDN private branch exchange or ISDN terminal to a packet network, comprising a resource for adapting signaling information transferred from a PRA ISDN connection to a packet-oriented exchange for the purpose of the signaling information being processed by the packet-based exchange as signaling information of BRA ISDN connections.

Claim 23 (previously presented): The peripheral adapter according to claim 22, wherein the adapter is adapted to adapt signaling information that corresponds with different ISDN connection types; and for adapting the signaling information via a mapping of data channels differentiated for the respective ISDN connection type on top of each other.

Claim 24 (previously presented): The peripheral adapter according to claim 22, further comprising a table for adapting signaling information to the map of the data channels.

Claim 25 (previously presented): The peripheral adapter according to claim 22, wherein the different ISDN connection types are given by a BRA connection a packet-switched network end and the PRA ISDN connection at an ISDN connection end.

Claim 26 (previously presented): The peripheral adapter according to claim 23, wherein the adapter is further adapted to adapt a call identifier and a bearer channel reference.

Claim 27 (previously presented): The peripheral adapter according to claim 22, wherein the adapter is designed as a LAD or an MTA.